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| SUBSTITUTE FORM PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. NOR-989 | | SERIAL NO. 09 802,646 | | | | | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.102(b)) | | APPLICANT Martin A. Allen | | | | FILING DATE March 9, 2001 | | | | | | | |
| | | GROUP 1732 | | | | | | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | |
| EXAMINER INITIAL | | PATENT NUMBER | | | | | | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| | A.A | 2 | 3 | 7 | 4 | 5 | 4 | 0 | 4/1945 | Hall | 18 | 47.5 | |
| | A.B | 2 | 4 | 1 | 1 | 6 | 5 | 9 | 11/1946 | Manning | 154 | 9 | |
| | A.C | 2 | 4 | 1 | 1 | 6 | 6 | 0 | 11/1946 | Manning | 154 | 101 | |
| | A.D | 2 | 4 | 3 | 7 | 2 | 6 | 3 | 3/1948 | Manning | 264 | 115 | |
| | A.E | 2 | 5 | 0 | 8 | 4 | 6 | 2 | 5/1950 | Marshall | 18 | 8 | |
| | A.F | 3 | 6 | 0 | 1 | 8 | 4 | 6 | 8/1971 | Hudnall | 18 | 8 | |
| | A.G | 3 | 6 | 1 | 5 | 9 | 9 | 5 | 10/1971 | Buntin et al. | 156 | 161 | |
| | A.H | 3 | 7 | 5 | 5 | 5 | 2 | 7 | 8/1973 | Keller et al. | 264 | 210 | |
| | A.I | 3 | 8 | 2 | 5 | 3 | 8 | 0 | 7/1974 | Harding et al. | 425 | 72 | |
| | A.J | 3 | 8 | 2 | 5 | 3 | 7 | 9 | 7/1974 | Lohkamp et al. | 425 | 72 | |
| | A.K | 3 | 8 | 4 | 1 | 9 | 5 | 3 | 10/1974 | Lohkamp et al. | 161 | 150 | |
| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS | | | | | | | | | | | | | |
| | | DOCUMENT NUMBER | | | | | | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION (YES/NO) | |
| | A.L | 57-176217 | | | | | | 1/1982 | Japan | | | No | |
| | A.M | 55-142757 | | | | | | 4/1979 | Japan | | | Yes | |
| | A.N | 50-90774 | | | | | | 12/1973 | Japan | | | Yes | |
| | A.O | 45-2345 | | | | | | 1/1970 | Japan | | | No | |
| | A.P | | | | | | | | | | | | |
| | A.Q | | | | | | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication) | | | | | | | | | | | | | |
| | A.R | Handbook of Fibers Raw Materials, 6 pgs. | | | | | | | | | | | |
| | A.S | C.Z. Carroll-Porczynski, Inorganic Fibres, London National Trade Press Limited 1958, 5 pgs. | | | | | | | | | | | |
| | A.T | Robert R. Buntin and Dwight T. Lohkamp, Melt Blowing - A One-Step Web Process for New Nonwoven Products, Article, Vol. 56, No. 4, April 1973 (4 pgs.) | | | | | | | | | | | |
| EXAMINER | | | | | | | | | DATE CONSIDERED | | | | |

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(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
NOR-989SERIAL NO.
09 802.646INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Martin A. Allen

(37 CFR 1.98(b))

(Use several sheets if necessary)

FILING DATE
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1732

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | PATENT NUMBER | | | | | | | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----|---------------|---|---|---|---|---|---|---------------|-----------------|-------|----------|-------------------------------|
| KS | B.A | 3 | 8 | 4 | 9 | 2 | 4 | 1 | 11/1974 | Butin et al. | 161 | 169 | |
| | B.B | 3 | 8 | 9 | 5 | 1 | 5 | 1 | 7/1975 | Matthews et al. | 428 | 102 | |
| | B.C | 3 | 9 | 4 | 9 | 1 | 3 | 0 | 4/1976 | Sabee et al. | 428 | 192 | |
| | B.D | 3 | 9 | 8 | 1 | 6 | 5 | 0 | 9/1976 | Page | 425 | 72 | |
| | B.E | 4 | 1 | 4 | 5 | 5 | 1 | 8 | 3/1979 | Morie et al. | 528 | 272 | |
| | B.F | 4 | 1 | 6 | 4 | 6 | 0 | 0 | 8/1979 | Yung et al. | 428 | 198 | |
| | B.G | 4 | 1 | 8 | 1 | 6 | 4 | 0 | 1/1980 | Morie et al. | 260 | 30.4 | |
| | B.H | 4 | 1 | 8 | 8 | 9 | 6 | 0 | 2/1980 | Morie et al. | 131 | 267 | |
| | B.I | 4 | 2 | 1 | 7 | 3 | 8 | 7 | 8/1980 | Vieze et al. | 428 | 288 | |
| | B.J | 4 | 2 | 3 | 8 | 1 | 7 | 5 | 12/1980 | Fujii et al. | 425 | 83.1 | |
| | B.K | 4 | 2 | 6 | 7 | 0 | 0 | 2 | 5/1981 | Sloan et al. | 156 | 276 | |

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION (YES/NO) |
|--|-----|--------------------|---------------------|-----------------------------|-------|----------|-------------------------|
| | B.L | | | | | | |
| | B.M | | | | | | |
| | B.N | | | | | | |
| | B.O | | | | | | |
| | B.P | | | | | | |
| | B.Q | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

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| | B.R | |
| | B.S | |
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| SUBSTITUTE FORM PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. NOR-989 | | SERIAL NO. 09/802,646 | |
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| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| | C.A | 4 3 5 7 3 7 9 | 11/1982 | Sloan et al. | 428 | 113 | |
| | C.B | 4 4 2 6 4 1 7 | 1/1984 | Meitner et al. | 428 | 195 | |
| | C.C | 4 4 6 9 6 5 0 | 9/1984 | Furukawa et al. | 156 | 62.4 | |
| | C.D | 4 5 4 7 4 2 0 | 10/1985 | Krueger et al. | 428 | 229 | |
| | C.E | 4 5 6 0 3 8 5 | 12/1985 | Baravian | 8 | 115.7 | |
| | C.F | 4 7 2 9 3 7 1 | 3/1988 | Krueger et al. | 128 | 206.19 | |
| | C.G | 4 7 9 5 6 6 8 | 1/1989 | Krueger et al. | 428 | 174 | |
| | C.H | 6 0 5 7 2 5 6 | 5/2000 | Krueger et al. | 442 | 400 | |
| | C.I | 6 1 0 3 1 8 1 | 8/2000 | Berger | 264 | 555 | |
| | C.J | 6 1 8 2 7 3 2 | 2/2001 | Allen | 156 | 441 | |
| | C.K | | | | | | |
| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS | | | | | | | |
| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION (YES/NO) |
| | C.L | | | | | | |
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| EXAMINER INITIAL | | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----|---------------|---------------|----------|-------|----------|-------------------------------|
| | A.A | | | | | | |
| | A.B | | | | | | |
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| | A.E | | | | | | |
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| | A.J | | | | | | |
| | A.K | | | | | | |

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FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION (YES/NO) |
|--|-----|--------------------|---------------------|-----------------------------|-------|----------|-------------------------|
| | A.L | 1048760 A1 | 11/2000 | EP | | | |
| | A.M | 0561612 A2 | 9/1993 | EP | | | |
| | A.N | 0088744 | 9/1983 | EP | | | |
| | A.O | 0212601 | 2/2002 | PCT | | | |
| | A.P | | | | | | |
| | A.Q | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

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| SUBSTITUTE FORM 1449 (MODIFIED) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. NOR-989 | SERIAL NO. 09/802,646 |
| | INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | |
| | APPLICANT Martin A. Allen | | FILING DATE March 9, 2001 | GROUP 1732 |

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| EXAMINER INITIAL | | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----|---------------|---------------|----------|-------|----------|-------------------------------|
| | A.A | | | | | | |
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| | A.J | | | | | | |
| | A.K | | | | | | |

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION (YES/NO) |
|------|-----|--------------------|---------------------|-----------------------------|-------|----------|-------------------------|
| 1990 | A.L | 2289107 | 11/1990 | JP | | | |
| | A.M | | | | | | |
| | A.N | | | | | | |
| | A.O | | | | | | |
| | A.P | | | | | | |
| | A.Q | | | | | | |

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